

Ford Memorial Daycare Water Sampling Lead Analysis Report

1. INTRODUCTION

1.1. GENERAL

This report presents the results of our water sampling performed at the site of Ford Memorial Daycare, 16400 W. Warren, Detroit, MI., on May 16th, 2016. The sample results taken in conjunction with this investigation are also presented on Appendix 1.

1.2. OBJECTIVES AND SCOPE

In general, the objectives of this investigation were to:

Accurately evaluate water outlets for lead above the EPA Maximum Contaminate Level (MCL).

1.3. AUTHORIZATION

Authorization was provided by phone for our Professional Services by Brenda Bradford on April 29th, 2016.

2. SITE INVESTIGATIONS

2.1. FIELD PROGRAM

In order to sample and evaluate water, GSES took six samples, a First Draw sample and a Flush sample, from three different locations on the site.

The field portion of our investigation was under control and continual supervision of an experienced member of our field scientist staff.

2.2 LABORATORY TESTING

2.2.1. General

In accordance with ASTM D3559 and the U.S. Environmental Protection Agency guidelines for lead in drinking water at schools and child care facilities, we took two samples: first draw and flush, which is the required testing standard for drinking water lead contamination.

Results of the tests indicate that the water is below the threshold for lead



contamination. A copy of the lab report and Chain of Custody is attached (Appendix 1).

3. DISCUSSIONS AND RECOMMENDATIONS

3.1. DISCUSSIONS OF FINDINGS

The water results are below the threshold for lead contamination.

We appreciate the opportunity of providing this service for you. If you have any questions concerning this report or require additional information, please do not hesitate to contact the undersigned.

Respectfully submitted,

Michael Etters Field Scientist

Monica Starks, CIEC

Principal

Council-certified Indoor Environmental Consultant Board-awarded by the American Council for Accredited Certification



Appendix 1, Lab Results, Chain of Custody

National Testing Laboratories, Ltd

556 South Mansfield, Ypsilanti, MI, 48197-5166 (440) 449-2525, Fax: (440) 449-8585

ANALYTICAL REPORTS

SAMPLE CODE: 355004 5/25/2016

Source:

16400 W. Warren Ford Memorial Daycare, Sample

1 Kitchen (First Draw)

Source City:

Detroit

Source State:

MI

Date/Time Received:

G. S. Group

#200

Monica Starks

Detroit, MI 48203

17800 Woodward Ave

5/16/2016 14:00

Collected by:

Customer:

D. Hemphill

The results herein conform to TNI and ISO/IEC 17025:2005 standards, where applicable, unless otherwise narrated in the body of the report. The uncertainty of the test results are available upon request. All Dates and Times are reported as U.S. Eastern Time.

Any 'Level Detected' marked with an asterisk (*) indicates that the value has exceeded the EPA Maximum Contaminant Level (MCL) or one of the Standards of Quality.

"ND"

This contaminant was not detected at or above our lower reporting limit (LRL)

"NA"

Not Analyzed

"Standard"

This column indicates either the Maximum Contaminant Level (MCL) for EPA Primary Standards or the guideline values for EPA

Secondary Standards.

"LRL"

This column indicates the Lower Reporting Limit, which is the lowest level that the laboratory can detect a contaminant.

"DF"

This column indicates the contaminant dilution factor.

Report Notes:

Fed Id # Contaminant	Method Standar	d Units LRL	Level Detected	DF Date/Time Sampled	Date Prepoed	Date/Time Analyzed
				Campica		
		Inorganic Ana	alytes - Metals			
1030 Lead	200.8 0.015	mg/L 0.001	i ND	1 5/16/2016 07:0	05	5/20/2016

These test results may be used for compliance purpose as required.

Analyst	Tests
EC	200.8

James Abston, Operations Manager

This report cannot be reproduced, except in full, without the written approval of National Testing Laboratories, Ltd.

Page

of 1

355004

Lead Only

Date Printed: 5/25/2016 2:56:44 PM

National Testing Laboratories, Ltd

556 South Mansfield, Ypsilanti, Mi, 48197-5166 (440) 449-2525, Fax: (440) 449-8585

ANALYTICAL REPORTS

SAMPLE CODE: 355005 5/25/2016

Customer:

G. S. Group

Monica Starks

17800 Woodward Ave

#200

Detroit, MI 48203

Source:

Ford Memorial Daycare, Sample 2 Kitchen (Flush)

Source City: Detroit

Source State: MI

Date/Time Received:

5/16/2016 14:00

Collected by:

D. Hemphill

The results herein conform to TNI and ISO/IEC 17025:2005 standards, where applicable, unless otherwise narrated in the body of the report. The uncertainty of the test results are available upon request. All Dates and Times are reported as U.S. Eastern Time.

Legend

Any 'Level Detected' marked with an asterisk (*) indicates that the value has exceeded the EPA Maximum Contaminant Level (MCL) or one of the Standards of Quality.

"ND"

This contaminant was not detected at or above our lower reporting limit (LRL)

"NA"

Not Analyzed

"Standard"

This column indicates either the Maximum Contaminant Level (MCL) for EPA Primary Standards or the guideline values for EPA

Secondary Standards.

"LRL"

This column indicates the Lower Reporting Limit, which is the lowest level that the laboratory can detect a contaminant.

"DF"

This column indicates the contaminant dilution factor.

Report Notes:

Fed Id # Contaminant	Method Standard	Units LRL	Level	DF Date/Time	Date Date/Time
			Detected	Sampled	Prepped Analyzed
		Inorganic Anal	ytes - Metals		
1030 Lead	200.8 0.015	mg/L 0.001	ND	1 5/16/2016 07:0)8 5/20/2016

These test results may be used for compliance purpose as required.

Analyst	Tests
EC	200.8

James Abston, Operations Manager

This report cannot be reproduced, except in full, without the written approval of National Testing Laboratories, Ltd.

National Testing Laboratories, Ltd

556 South Mansfield, Ypsilanti, MI, 48197-5166 (440) 449-2525, Fax: (440) 449-8585

ANALYTICAL REPORTS

SAMPLE CODE: 355006 5/25/2016

Customer:

G. S. Group

Monica Starks

17800 Woodward Ave

#200

Detroit, MI 48203

Source:

Ford Memorial Daycare, Sample

3 Women's Bathroom (First

Draw)

Detroit

Source City: Source State:

MI

Date/Time Received:

5/16/2016 14:00

Collected by: D. Hemphill

The results herein conform to TNI and ISO/IEC 17025:2005 standards, where applicable, unless otherwise narrated in the body of the report. The uncertainty of the test results are available upon request. All Dates and Times are reported as U.S. Eastern Time.

Any 'Level Detected' marked with an asterisk (*) indicates that the value has exceeded the EPA Maximum Contaminant Level (MCL) or one of the Standards of Quality.

"ND"

This contaminant was not detected at or above our lower reporting limit (LRL)

"NA"

Not Analyzed

"Standard"

This column indicates either the Maximum Contaminant Level (MCL) for EPA Primary Standards or the guideline values for EPA

Secondary Standards.

"LRL"

This column indicates the Lower Reporting Limit, which is the lowest level that the laboratory can detect a contaminant.

"DF"

This column indicates the contaminant dilution factor.

Report Notes:

Fed Id # Contaminant	Method Standard	Units LRL	Level Detected	DF Date/Time Sampled	Date Prepped	Date/Time Analyzed
		Inorganic Anal	ytes - Metals			
1030 Lead	200.8 0.015	mg/L 0.001	0.001	1 5/16/2016 07:1	11	5/20/2016

These test results may be used for compliance purpose as required.

Analyst **Tests** EC 200.8

James Abston, Operations Manager

This report cannot be reproduced, except in full, without the written approval of National Testing Laboratories, Ltd.

Page

of 1

355006

Lead Only

Date Printed: 5/25/2016 2:56:45 PM

National Testing Laboratories, Ltd

556 South Mansfield, Ypsilanti, MI, 48197-5166 (440) 449-2525, Fax: (440) 449-8585

ANALYTICAL REPORTS

SAMPLE CODE: 355007 5/25/2016

Customer:

G. S. Group

Monica Starks

17800 Woodward Ave

#200

Detroit, MI 48203

Source:

Ford Memorial Daycare, Sample

4 Women's Bathroom (Flush)

Source City:

Detroit

Source State:

MI

Date/Time Received:

5/16/2016 14:00

D. Hemphill

Collected by:

The results herein conform to TNI and ISO/IEC 17025:2005 standards, where applicable, unless otherwise narrated in the body of the report. The uncertainty of the test results are available upon request. All Dates and Times are reported as U.S. Eastern Time.

Any 'Level Detected' marked with an asterisk (*) indicates that the value has exceeded the EPA Maximum Contaminant Level (MCL) or one of the Standards of Quality

"ND"

This contaminant was not detected at or above our lower reporting limit (LRL)

"NA"

Not Analyzed

"Standard"

This column indicates either the Maximum Contaminant Level (MCL) for EPA Primary Standards or the guideline values for EPA

Secondary Standards.

"LRL"

This column indicates the Lower Reporting Limit, which is the lowest level that the laboratory can detect a contaminant.

"DF"

This column indicates the contaminant dilution factor.

Report Notes:

Fed Id # Contaminant	Method Standar	d Units LRL	Level .	DF Date/Time	Date	Date/Time Analyzed
			Detected	Sampled	Prepped	Analyzeu
		Inorganic Ana	lytes - Metals			one nemalamana de controla antico de antico de la controla del la controla de la controla del la controla de la controla del la controla de la controla del
1030 Lead	200.8 0.015	mg/L 0.001	0.001	1 5/16/2016 07:	14	5/20/2016

These test results may be used for compliance purpose as required.

Analyst	Tests
EC	200.8

James Abston, Operations Manager

This report cannot be reproduced, except in full, without the written approval of National Testing Laboratories, Ltd.

Page

of 1

355007

Lead Only

Date Printed: 5/25/2016 2:56:45 PM

National Testing Laboratories, Ltd

556 South Mansfield, Ypsilanti, MI, 48197-5166 (440) 449-2525, Fax: (440) 449-8585

ANALYTICAL REPORTS

SAMPLE CODE: 355008 5/25/2016

Customer:

G. S. Group

Monica Starks

17800 Woodward Ave

#200

Detroit, MI 48203

Source:

Ford Memorial Daycare, Sample

5 Men's Bathroom (First Draw)

Source City:

Detroit

Source State:

MI

Date/Time Received:

5/16/2016 14:00

D. Hemphill

Collected by:

The results herein conform to TNI and ISO/IEC 17025:2005 standards, where applicable, unless otherwise narrated in the body of the report. The uncertainty of the test results are available upon request. All Dates and Times are reported as U.S. Eastern Time.

Any 'Level Detected' marked with an asterisk (*) indicates that the value has exceeded the EPA Maximum Contaminant Level (MCL) or one of the Standards of Quality.

"ND"

This contaminant was not detected at or above our lower reporting limit (LRL)

"NA"

Not Analyzed

"Standard"

This column indicates either the Maximum Contaminant Level (MCL) for EPA Primary Standards or the guideline values for EPA

Secondary Standards.

"LRL"

This column indicates the Lower Reporting Limit, which is the lowest level that the laboratory can detect a contaminant.

"DF"

This column indicates the contaminant dilution factor.

Report Notes:

Fed Id # Contaminant	Method Standard	Units LRL	Level	DF Date/Time	Date	Date/Time
			Detected	Sampled	Prepped	Analyzed
		Inorganic Anal	lytes - Metals			
1030 Lead	200.8 0.015	mg/L 0.001	0.003	1 5/16/2016 07:	17	5/20/2016

These test results may be used for compliance purpose as required.

Analyst Tests EC 200.8

James Abston, Operations Manager

National Testing Laboratories, Ltd

556 South Mansfield, Ypsilanti, MI, 48197-5166 (440) 449-2525, Fax: (440) 449-8585

ANALYTICAL REPORTS

SAMPLE CODE: 355009 5/25/2016

Customer:

G. S. Group

Monica Starks

17800 Woodward Ave

#200

Detroit, MI 48203

Source:

Ford Memorial Daycare, Sample

6 Men's Bathroom (Flush)

Source City:

Detroit

Source State:

MI

Date/Time Received:

5/16/2016 14:00

Collected by:

D. Hemphill

The results herein conform to TNI and ISO/IEC 17025:2005 standards, where applicable, unless otherwise narrated in the body of the report. The uncertainty of the test results are available upon request. All Dates and Times are reported as U.S. Eastern Time.

Any 'Level Detected' marked with an asterisk (*) indicates that the value has exceeded the EPA Maximum Contaminant Level (MCL) or one of the Standards of Quality

"ND"

This contaminant was not detected at or above our lower reporting limit (LRL)

"NA"

Not Analyzed

"Standard"

This column indicates either the Maximum Contaminant Level (MCL) for EPA Primary Standards or the guideline values for EPA

Secondary Standards.

"LRL"

This column indicates the Lower Reporting Limit, which is the lowest level that the laboratory can detect a contaminant.

"DF"

This column indicates the contaminant dilution factor.

Report Notes:

Fed Id # Contaminant	Method Standard	l Units LRL	Level	DF Date/Time	Date	Date/Time
			Detected	Sampled	Prepped	Analyzed
		Inorganic Anal	ytes - Metals			
1030 Lead	200.8 0.015	mg/L 0.001	0.001	1 5/16/2016 07	:20	5/20/2016

These test results may be used for compliance purpose as required.

Analyst	Tests
EC	200.8

James Abston, Operations Manager

This report cannot be reproduced, except in full, without the written approval of National Testing Laboratories, Ltd.

Page

of 1

355009

Lead Only

Date Printed: 5/25/2016 2:56:45 PM

Mational Testing Laboratories, Ltd. Quality Water Analysis

1-800-458-3330

General Compliance

Order Number: Order Date:

2076912 04/19/2016

Sample Number:

11111 355004 II

Product:

Lead Only

Sample Paid: No

Payment Method:

Sold To:	15K: EF	
G. S. Group		For Laboraton, Has ONLY
Monica Starks		For Laboratory Use ONLY
17800 Woodward Ave		Lab Accounting Information:
Detroit	MI 48203	Payment \$:
		Check#:
		Lab Comments/Special Instructions:
Date Sampled : 5 1 16	1/6	and the state of t
Time Sampled: 0:70	Please Use Military Time, e.g. 3:00pm = 15:00	
Check Time Zone: DEST	CST MST PST	
Client Name: Ford M	emorial Daycare	
Phone Number: 313-80	07-0560	
Fax Number:		
PWS ID# (if applicable):		State Forms:
Sample ID or Source: Samp	LI Kitchen (First Draw)	
Source Type: Spring Other:	Well Municipal Surface	Lab Sample Information: Date Received: MAY, 1 6 2016
		Time Received: 14 10
City & State: De+	OCH W((If Different than Above)	Received By: MW/49
	(more train > more)	Sample receipt criteria or ecked & acceptable.
Sample Collected By:	ome Langline (Signature)	Deviations from acceptable sample receipt criteria noted on PSA form.
Sample Collected By:		1
	(Please Print)	
Form Completed By: <u></u>	nez Hemphill	
	·	
dditional Comments:		
-		

MA National Testing



1-800-458-3330

General Compliance

Order Number: Order Date:

2076912

04/19/2016

Sample Number:

355005



Product: Sample Paid: No

Lead Only Payment Method:

Sold To:	TSR: EF	
G. S. Group		For Laboratory Use ONLY
Monica Starks		Lab Accounting Information:
17800 Woodward Ave		
Detroit	MI 48203	Payment \$:
		Check#:
Date Sampled : #51/61	16	Lab Comments/Special Instructions:
	Please Use Military Time, e.g. 3:00pm = 15:00	
Check Time Zone: ☐EST ☐		
Client Name: Ford Men	norial Daycare	
Phone Number: 3/3-	867-0500	
Fax Number:		
PWS ID# (if applicable):		State Forms:
Source Type: Spring Collected By:	(If Different than Above) The Semples (Signature)	Lab Sample Information: Date Received: MAY 1 6 / 2016 Time R
Sample Collected By:	nez Hemphill (Please Print)	
Form Completed By: Dov	Mez Heumphill	
Additional Comments:		

National Testing Laboratories, Ltd. Quality Water Analysis

1-800-458-3330

General Compliar

Order Number:

2076912 04/19/2016

Sample Number:

Product:

Order Date:

Lead Only

Sample Paid: No

Payment Method:

TSR: EF Sold To: G. S. Group For Laboratory Use ONLY Monica Starks Lab Accounting Information: 17800 Woodward Ave Detroit Payment \$:_ MI 48203 Check #:_ Lab Comments/Special Instructions: Date Sampled : 5 1/6 1/6 Time Sampled: 6:7/1 Please Use Millary Time, e.g. 3:00pm = 15:00 Check Time Zone: ST CST MST PST Client Name: Ford Memorial Daycare Fax Number: State Forms: PWS ID# (if applicable): Sample ID or Source: Sample 3 Women's Both comultist Draw) Lab Sample Information: Source Type: Spring Well Municipal Surface Date Received: Other: Time Received: City & State: Detroit. Received By: Sample receipt criteria checked & acceptable. Sample Collected By: Deviations from acceptable sample receipt criteria noted on PSA form. Sample Collected By: Form Completed By: Additional Comments:

MA National Testing Laboratories, Ltd. Quality Water Analysis

1-800-458-3330

Sold To: G. S. Group Monica Starks 17800 Woodward Ave

Detroit

General Compliance

Order Number: Order Date:

2076912 04/19/2016

355007

Sample Number:

Product: Sample Pald: No

Lead Only **Payment Method:**

TSR: EF

MI 48203

	For Laboratory Use ONLY
L	ab Accounting information:
P	ayment \$:
	heck#:
LE	b Comments/Special Instructions:
Sta	te Forms:
l ob	Sample Information:
Da	te Received: // MAY 1 6 2016
Tin	ne Received://// 14:00
Re	celved By: U Walt
N	Sample receipt criterie checjed & acceptable.
	Deviations from acceptable sample receipt criteria noted
	on PSA form.
	ii de

Date Sampled : 5 1/6/16 Time Sampled: 0:714 Please Use Military Time, e.g. 3:00pm = 15:00 Check Time Zone: EST CST MST PST Client Name: Ford Memorial Daycare **Phone Number:** Fax Number: PWS ID# (if applicable): Source Type: Spring Well Municipal Surface Other: City & State: (If Different than Above) Sample Collected By: Sample Collected By Form Completed By: **Additional Comments:**

National Testing Laboratories, Ltd. Quality Water Analysis

1-800-458-3330

General Compliance

Order Number: Order Date:

2076912 04/19/2016

355008

Sample Number:

Product:

Lead Only

Sample Paid: No

Payment Method:

TSR: EF Sold To: G. S. Group For Laboratory Use ONLY Monica Starks Lab Accounting Information: 17800 Woodward Ave Detroit Payment \$: MI 48203 Check #: Lab Comments/Special Instructions: Date Sampled : 5 1/6/16 Time Sampled: O:7/7 Please Use Military Time, e.g. 3:00pm = 15:00 Check Time Zone: VEST CST MST PST Client Name: Ford Memorial Dayare Phone Number: Fax Number: PWS ID# (if applicable): State Forms: Sample ID or Source: Sample 5 Men: 5 BAthrone Girst Da Lab Sample Information: Source Type: Spring Well Municipal Surface Date Received Other: Time Received City & State Detroit Received By: Sample receipt crite/ia criecked & acceptable. Sample Collected By: Deviations from agreeptable sample receipt criteria noted on PSA form. Sample Collected By Form Completed By: **Additional Comments:**

M National Testing Laboratories, Ltd. Quality Water Analysis

1-800-458-3330

General Compliance

Order Number: Order Date:

2076912 04/19/2016

355009

Sample Number:

Product: Sample Paid: No

Lea Payment Method:

_		Ш		Ш	Ш	Ш
aď	Only					
	_					

Sold To:	TSR: EF					
G. S. Group	•	For Laboratory Use ONLY				
Monica Starks 17800 Woodward Ave		Leb Accounting Information: Payment \$:				
Detroit	MI 48203					
	WII 40203	Check #:				
		Lab Comments/Special Instructions:				
Date Sampled : 5 1 1/5 1	16	an comments/Special Histrechons;				
Time Sampled: 0:720	Please Use Military Time, e.g. 3:00pm = 15:00					
Check Time Zone: ☐EST ☐	CST MST PST					
Client Name: Ford Men	novial Daycare					
Phone Number: 313-	867-0500					
Fax Number:						
PWS ID# (if applicable):		State Forms:				
Source Type: Spring Cother: City & State: Det rous	Onne Hough!	Lab Sample Information: Date Received: MAY 1 6, 2016 Time Received: M 14:00 Received By: MALL Sample receipt criteria checked & acceptable. Deviations from acceptable sample receipt criteria noted on PSA form.				